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(71) Applicant (for all designated States except US): **ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY** [US/US]; 1300 Morris Park Avenue, Bronx, NY 10461 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BURNS, Edward, R.** [US/US]; 70-45 173rd Street, Fresh Meadows, NY 11365 (US). **MCKITRICK, John, C.** [US/US]; 229 Byram Lake Road, Mount Kisco, NY 10549 (US). **WU, Ding, Wen** [US/US]; 3450 Wayne Avenue, Apt. 27N, Bronx, NY 10467 (US).

(74) Agents: **ARNOLD, Craig, J.** et al.; Amster, Rothstein & Ebenstein LLP, 90 Park Avenue, New York, NY 10016 (US).

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(54) Title: AGGLUTINATION TESTS FOR DETECTION OF MICROORGANISMS

(57) Abstract: Methods of detecting a microorganism in an aqueous solution or suspension, where the aqueous solution or suspension does not comprise precultured microorganisms, are provided. The methods utilize microspheres coated with antibodies or antibody fragments, and assessment of agglutination. Methods of detecting at least one of n microorganism species in an aqueous solution or suspension are also provided. The methods utilize antibody coated microspheres coated with n distinct antibodies or antibody fragments and assessment of agglutination.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00338

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61L 9/00;
US CL : 422. 28, 32, 37435/7.32, 7.92, 7.94,

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 422. 28, 32, 37435/7.32, 7.92, 7.94,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,071,737 A (MARSH et al.) 06 June, 2000 (06.06.2000), entire document, specially abstract, Column 2, Lines 28-51	1,3,4,6-10,28-29,31-34, 38-41, 46-48, 51-52, 54, 59, 63-64, 70-72, 74-77, 84-89 ----- 1,3,4,6-10,28-36, 38-41, 46-48, 51-52, 54, 59, 63-64, 66, 70-79, 81, 83-84 and 89
X --- Y	US 5,403, 718 A (DORWARD et al.) 4 April 1995 (4.4.1995). Entire document.	1-9, 12-25, 37, 60-65, 68-69, 80, 84 and 89 ----- 1-9, 12-25, 30, 35-38, 60-65, 68-69, 73, 78-81, 83-84 and 89



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Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-8300

Authorized officer

Dr. Kailash C. Srivastava

Telephone No. (703)-308-0196

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,043,267 (RICHARDS, J.C.) 27 August 1991 (27.08.1991), Entire document	1,3-9, 12-14, 16-18, 22, 26,28, 32-33, 37, 39, 47, 48, 52, 54-59, 65, 68-71, 76, 82 and 89 ----- 1, 2-9, 12-14, 16-18, 22, 26-28, 30, 32-33, 35-39, 47, 48, 52, 54- 59, 65, 68-71, 73, 76- 83 and 89

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Continuation of B. FIELDS SEARCHED Item 3:

STN, AGRICOLA, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, DISABS, EMBASE, ESBIODBASE, FEDRIP, FROSTI, FSTA, IFIPAT, JICST-EPLUS, LIFESCI, MEDICONF, MEDLINE, NIOSHTIC, PROMPT, RDISCLOSURE, SCISEARCH, USPATFUL, WPIDS, EPAB, JPAB, PGPB, USPT, REGISTRY.

Search Terms:

bacteria, fungi, protozoa, antibodies, monoclonal, polyclonal, exudate or liquid, agglutinat, microsphere, latex, thrombocytes, septicemia, histoplasma, candida, staphylococcus, streptococcus, parasitic protozoa, polysaccahrade, fimbriae, pili, flagella, lipids, proteins, cell wall fractions,